



## TP-45RC

Component Video or Computer Graphics Video with Audio over Twisted Pair Transmitter with Remote Switching



The TP-45RC is a twisted pair transmitter for component (YUV) or computer graphics video and unbalanced stereo audio or S/PDIF audio signals. The TP-45RC transmitter converts audio and video to a twisted pair signal for transmission to the TP-46 receiver.

### FEATURES

- HDTV Compatible.
- Max. Resolution - UXGA & 1080p.
- Inputs - 1 computer graphics video on a 15-pin HD connector, 1 component video on 3 RCA connectors, 1 unbalanced stereo audio on a 3.5mm mini jack and 1 S/PDIF on an RCA connector.
- Control - Front panel (independent audio and video) and contact closure switching.
- Sync Polarity Settings - H & V switches for improved display compatibility with the CAT 5 outputs.
- System Range - Up to 100m (320ft). Greater distances possible depending on resolution and cable.
- Cable - UTP (unshielded twisted pair) or STP (shielded twisted pair) such as CAT 5.
- Power Connect™ System - A single connection to the transmitter or the receiver powers both units when the devices are within 150ft (50m) of each other.
- Compact Kramer TOOLS™ - 3 units can be rack mounted side-by-side in a 1U rack space with the optional RK-3T rack adapter.



## TP-45RC

### TECHNICAL SPECIFICATIONS

VIDEO INPUTS:	1 VGA/UXGA 1Vpp/75Ω on a 15-pin HD connector 1 component 1Vpp/75Ω (Y,Pb,Pr) on 3 RCA connectors
VIDEO OUTPUTS:	1 CAT 5 on an RJ-45 connector (video/audio).
MAX. INPUT LEVEL:	VGA: 1.2Vpp on 75Ω, DC coupling Y,Pb,Pr: 1.05Vpp on 75Ω, AC coupling.
RETURN LOSS:	-18dB.
MAX. OUTPUT LEVEL:	VGA: 1.5Vpp on 75Ω, DC coupling Y,Pb,Pr: 1.25Vpp on 75Ω, DC coupling.
VIDEO RESOLUTION:	Up to UXGA; 1080p.
S/N RATIO:	61dB.
K-FACTOR:	0.2%.
ISOLATION (CROSSTALK):	-43dB @5MHz.
AUDIO INPUTS:	1 unbalanced stereo audio, 0dBu/50kΩ, 0.5V/75Ω, on a 3.5mm mini jack; 1 S/PDIF on an RCA connector
MAX. AUDIO INPUT LEVEL ANALOG:	4dBu on 50kΩ, AC coupling.
MAX. AUDIO OUTPUT LEVEL ANALOG:	4dBu on 1kΩ, DC coupling.
AUDIO BANDWIDTH:	20Hz to 20kHz, @0dBu.
THD+NOISE:	0.33% @0dBu @1kHz.
SAMPLE RATE CONVERSION:	48kHz.
RESOLUTION CONVERSION:	24 bits.
POWER SOURCE:	12V DC, 140mA.
DIMENSIONS:	12cm x 7.15cm x 2.76cm (4.7" x 2.81" 1.09") W, D, H.
WEIGHT:	0.3kg (0.67lbs) approx.
ACCESSORIES:	Power supply.
OPTIONS:	RK-3T 19" rack adapter.

